

WO 00/12691

PCT/JP99/03682

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JC03 Rec'd PCT/PTO 27 FEB 2001

SEQUENCE LISTING

09/763836

<110> FUSO PHARMACEUTICAL INDUSTRIES, LTD.

<120> Nucleic Acid Sequence which Enhances Gene Expression and Method of
Enhancing Gene Expression

<130> 99P137W0

<150> 11

<210> 1

<211> 713

<212> DNA

<213> Hepatitis Type C Virus (HCV)

<220>

<221> 5' UTR

<222> (1).. (341)

<220>

<221> CDS

<222> (342).. (713)

<400> 1

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ccccctccc gggagagcca tagtggctcg cggaaccggt gactacaccg gaattgccag      180
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 Met Ser Thr Asn Pro
 1 5
 aaa cct caa aga aaa acc aaa cgt aac acc aac cgc cgc cca cag gac 404
 Lys Pro Gln Arg Lys Thr Lys Arg Asn Thr Asn Arg Arg Pro Gln Asp
 10 15 20
 gtc aag ttc ccg ggc ggt ggt cag atc gtt ggt gga gtt tac ctg ttg 452
 Val Lys Phe Pro Gly Gly Gly Gln Ile Val Gly Gly Val Tyr Leu Leu
 25 30 35
 ccg cgc agg ggc ccc agg ttg ggt gtg cgc gcg act agg aag act tcc 500
 Pro Arg Arg Gly Pro Arg Leu Gly Val Arg Ala Thr Arg Lys Thr Ser
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 gag cgg tcg caa cct cgt gga agg cga caa cct atc ccc aag gct cgc 548
 Glu Arg Ser Gln Pro Arg Gly Arg Arg Gln Pro Ile Pro Lys Ala Arg
 55 60 65
 cgg ccc gag ggc agg acc tgg gct cag ccc ggg tat cct tgg ccc ctc 596
 Arg Pro Glu Gly Arg Thr Trp Ala Gln Pro Gly Tyr Pro Trp Pro Leu
 70 75 80 85
 tat ggc aac gag ggc atg ggg tgg sca gga tgg ctc ctg tcg ccc cgc 644
 Tyr Gly Asn Glu Gly Met Gly Trp Ala Gly Trp Leu Leu Ser Pro Arg
 90 95 100
 ggc tcc cgg cct agt tgg ggc cct tcg gac ccc cgg cgt agg tcg cgt 692
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 105 110 115
 aat ttg ggt aag gtc atc gat 713
 Asn Leu Gly Lys Val Ile Asp
 120

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<210> 2

<211> 31

<212> DNA

<213> Hepatitis Type C Virus (HCV)

<220>

<223> Nucleotide Sequence of PCR Primer for Amplifying Fragments of HCV
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<400> 2

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31

<210> 3

<211> 31

<212> DNA

<213> Hepatitis Type C Virus (HCV)

<220>

<223> Nucleotide Sequence of PCR Primer for Amplifying Fragments of HCV
cDNA

<400> 3

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31

<210> 4

<211> 29

<212> DNA

<213> Hepatitis Type C Virus (HCV)

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<220>

<223> Nucleotide Sequence of PCR Primer for Amplifying Fragments of HCV
cDNA

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29

<210> 5

<211> 30

<212> DNA

<213> Hepatitis Type C Virus (HCV)

<220>

<223> Nucleotide Sequence of PCR Primer for Amplifying Fragments of HCV
cDNA

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30

<210> 6

<211> 26

<212> DNA

<213> Hepatitis Type C Virus (HCV)

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<223> Nucleotide Sequence of PCR Primer for Amplifying Fragments of HCV
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26

<210> 7

<211> 342

<212> DNA

<213> Mutated Hepatitis Type C1b Virus (HCV)

<220>

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<222> (1).. (342)

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gacgaccggg	icctttcttg	gatcaatccc	gtcfaatgcc	tggagatttg	gscgtgcccc	240
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<210> 8

<211> 29

<212> DNA

<213> Hepatitis Type C1b Virus (HCV)

<220>

<223> Nucleotide Sequence of PCR Sense Primer for Amplifying Mutated Fragments of HCV1b cDNA

<400> 8

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29

<210> 9

<211> 20

<212> DNA

<213> Hepatitis Type C1b Virus (HCV)

<220>

<223> Nucleotide Sequence of PCR Anti-sense Primer for Amplifying Mutate
d Fragments of HCV1b cDNA

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20

<210> 10

<211> 30

<212> DNA

<213> Renilla luciferase

<220>

<223> Nucleotide Sequence of PCR Sense Primer for Amplifying Renilla luc
iferase gene

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30

<210> 11

<211> 30

<212> DNA

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<213> Renilla luciferase

<220>

<223> Nucleotide Sequence of PCR Anti-sense Primer for Amplifying Renilla luciferase gene

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30